

Kathleen M Botham

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2500909/kathleen-m-botham-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109
papers

1,820
citations

25
h-index

35
g-index

110
ext. papers

1,927
ext. citations

4.6
avg, IF

4.3
L-index

#	Paper	IF	Citations
109	Postprandial lipoproteins and the molecular regulation of vascular homeostasis. <i>Progress in Lipid Research</i> , 2013 , 52, 446-64	14.3	91
108	Vascular endothelial growth factor receptor-2 couples cyclo-oxygenase-2 with pro-angiogenic actions of leptin on human endothelial cells. <i>PLoS ONE</i> , 2011 , 6, e18823	3.7	74
107	Understanding postprandial inflammation and its relationship to lifestyle behaviour and metabolic diseases. <i>International Journal of Vascular Medicine</i> , 2012 , 2012, 947417	1.2	59
106	High fat diet-induced non alcoholic fatty liver disease in rats is associated with hyperhomocysteinemia caused by down regulation of the transsulphuration pathway. <i>Lipids in Health and Disease</i> , 2011 , 10, 60	4.4	58
105	Differential effects of low-density lipoprotein and chylomicron remnants on lipid accumulation in human macrophages. <i>Experimental Biology and Medicine</i> , 2004 , 229, 528-37	3.7	53
104	The influence of chylomicron remnants on endothelial cell function in the isolated perfused rat aorta. <i>Atherosclerosis</i> , 1998 , 139, 273-81	3.1	52
103	The role of lipoprotein cholesterol in biliary steroid secretion. Studies with in vivo experimental models. <i>Progress in Lipid Research</i> , 1995 , 34, 71-97	14.3	50
102	Modification of the fatty acid composition of dietary oils and fats on incorporation into chylomicrons and chylomicron remnants. <i>British Journal of Nutrition</i> , 1996 , 76, 435-45	3.6	50
101	The metabolism of chenodeoxycholic acid to beta-muricholic acid in rat liver. <i>FEBS Journal</i> , 1983 , 134, 191-6		47
100	Direct interaction of dietary lipids carried in chylomicron remnants with cells of the artery wall: implications for atherosclerosis development. <i>Current Pharmaceutical Design</i> , 2005 , 11, 3681-95	3.3	40
99	Comparison of the hepatic uptake and processing of cholesterol from chylomicrons of different fatty acid composition in the rat in vivo. <i>Lipids and Lipid Metabolism</i> , 1995 , 1258, 328-36		40
98	Induction of non-alcoholic fatty liver disease and insulin resistance by feeding a high-fat diet in rats: does coenzyme Q monomethyl ether have a modulatory effect?. <i>Nutrition</i> , 2009 , 25, 1157-68	4.8	38
97	Fatty acid composition of chylomicron remnant-like particles influences their uptake and induction of lipid accumulation in macrophages. <i>FEBS Journal</i> , 2006 , 273, 5632-40	5.7	36
96	Effects of lycopene on the induction of foam cell formation by modified LDL. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1820-7	6	34
95	Chylomicron remnants and oxidised low density lipoprotein have differential effects on the expression of mRNA for genes involved in human macrophage foam cell formation. <i>Journal of Molecular Medicine</i> , 2004 , 82, 449-58	5.5	32
94	Chylomicron remnant induction of lipid accumulation in J774 macrophages is associated with up-regulation of triacylglycerol synthesis which is not dependent on oxidation of the particles. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003 , 1631, 255-64	5	32
93	Characterisation of rat hepatocyte monolayers for investigation of the metabolism of bile salts. <i>Lipids and Lipid Metabolism</i> , 1985 , 836, 185-91		31

92	The lipolysis of chylomicrons derived from different dietary fats by lipoprotein lipase in vitro. <i>Lipids and Lipid Metabolism</i> , 1997 , 1349, 257-63		29
91	The effects of dietary n-3 polyunsaturated fatty acids delivered in chylomicron remnants on the transcription of genes regulating synthesis and secretion of very-low-density lipoprotein by the liver: modulation by cellular oxidative state. <i>Experimental Biology and Medicine</i> , 2003 , 228, 143-51	3.7	29
90	The internal redox balance of the cells influences the metabolism of lipids of dietary origin by J774 macrophages: implications for foam cell formation. <i>Journal of Vascular Research</i> , 2001 , 38, 350-60	1.9	27
89	The effect of a rat plasma high-density lipoprotein subfraction on the synthesis of bile salts by rat hepatocyte monolayers. <i>FEBS Letters</i> , 1985 , 179, 177-80	3.8	27
88	Effects of oral propylthiouracil treatment on nitric oxide production in rat aorta. <i>British Journal of Pharmacology</i> , 1999 , 127, 1-8	8.6	26
87	The effect of dietary fat on bile salt synthesis in rat liver. <i>Lipids and Lipid Metabolism</i> , 1983 , 752, 307-14		26
86	Bile acid synthesis in isolated rat liver cells. The effect of 7 alpha-hydroxycholesterol. <i>FEBS Journal</i> , 1980 , 103, 299-305		26
85	The influence of dietary saturated and unsaturated fat on hepatic cholesterol metabolism and the biliary excretion of chylomicron cholesterol in the rat. <i>Lipids and Lipid Metabolism</i> , 1998 , 1390, 134-48		25
84	The fatty acid composition of chylomicron remnants influences their binding and internalization by isolated hepatocytes. <i>FEBS Journal</i> , 2001 , 268, 3983-92		25
83	The role of acyl-CoA: cholesterol acyltransferase in the metabolism of free cholesterol to cholesteryl esters or bile acids in primary cultures of rat hepatocytes. <i>Lipids and Lipid Metabolism</i> , 1987 , 920, 1-8		25
82	Hepatic VLDL assembly is disturbed in a rat model of nonalcoholic fatty liver disease: is there a role for dietary coenzyme Q?. <i>Journal of Applied Physiology</i> , 2009 , 107, 707-17	3.7	24
81	Comparison of the effects of dietary n3 and n6 polyunsaturated fatty acids on very-low-density lipoprotein secretion when delivered to hepatocytes in chylomicron remnants. <i>Biochemical Journal</i> , 2001 , 357, 481-487	3.8	23
80	Oxidation affects the regulation of hepatic lipid synthesis by chylomicron remnants. <i>Free Radical Biology and Medicine</i> , 2001 , 30, 506-15	7.8	23
79	Cholesterol 7 alpha-hydroxylase in isolated rat liver cells. <i>FEBS Journal</i> , 1979 , 95, 533-42		23
78	Portal blood concentrations of conjugated cholic and chenodeoxycholic acids. Relationships to bile salt synthesis in liver cells. <i>Lipids and Lipid Metabolism</i> , 1981 , 665, 81-7		20
77	Postprandial Lipid Metabolism: The Missing Link Between Life-Style Habits and the Increasing Incidence of Metabolic Diseases in Western Countries?~!2009-09-30~!2010-01-26~!2010-03-30~! 2010 , 2, 1-13		20
76	The effects of chylomicron remnants enriched in n-3 or n-6 polyunsaturated fatty acids on the transcription of genes regulating their uptake and metabolism by the liver: influence of cellular oxidative state. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 1123-31	7.8	18
75	Incorporation of lycopene into chylomicron remnant-like particles enhances their induction of lipid accumulation in macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 312, 1216-9	3.4	18

74	Bile acid synthesis in hamster hepatocytes in primary culture: sources of cholesterol and comparison with other species. <i>Lipids and Lipid Metabolism</i> , 1993 , 1210, 73-80		18
73	Protection of chylomicron remnants from oxidation by incorporation of probucol into the particles enhances their uptake by human macrophages and increases lipid accumulation in the cells. <i>FEBS Journal</i> , 2004 , 271, 2417-27		17
72	Chylomicron remnants potentiate phenylephrine-induced contractions of rat aorta by an endothelium-dependent mechanism. <i>Atherosclerosis</i> , 2000 , 151, 471-80	3.1	17
71	Neutral cholesteryl ester hydrolase in the rat lactating mammary gland: regulation by phosphorylation-dephosphorylation. <i>Lipids and Lipid Metabolism</i> , 1990 , 1047, 90-8		17
70	Suppression of nuclear factor-kappaB activity in macrophages by chylomicron remnants: modulation by the fatty acid composition of the particles. <i>FEBS Journal</i> , 2009 , 276, 5689-702	5.7	16
69	Uptake of triacylglycerol-rich lipoproteins of differing triacylglycerol molecular species and unsaponifiable content by liver cells. <i>British Journal of Nutrition</i> , 2006 , 95, 889-97	3.6	16
68	Chylomicron-remnant-like particles inhibit receptor-mediated endothelium-dependent vasorelaxation in pig coronary arteries. <i>Clinical Science</i> , 2002 , 103, 451-60	6.5	15
67	Chylomicron-remnant-like particles inhibit receptor-mediated endothelium-dependent vasorelaxation in pig coronary arteries. <i>Clinical Science</i> , 2002 , 103, 451	6.5	15
66	Suppression of VLDL secretion by cultured hepatocytes incubated with chylomicron remnants enriched in n-3 polyunsaturated fatty acids is regulated by hepatic nuclear factor-4alpha. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 1181-9	5	13
65	Differential influence of different dietary fatty acids on very low-density lipoprotein secretion when delivered to hepatocytes in chylomicron remnants. <i>Metabolism: Clinical and Experimental</i> , 2009 , 58, 186-95	12.7	13
64	Lipid synthesis in macrophages derived from the human cell line THP-1: modulation of the effects of native and oxidized chylomicron-remnant-like particles by oestrogen. <i>Clinical Science</i> , 2001 , 101, 403-413	6.5	13
63	Differential effects of chylomicron remnants derived from corn oil or palm oil on bile acid synthesis and very low density lipoprotein secretion in cultured rat hepatocytes. <i>Life Sciences</i> , 1996 , 59, 331-7	6.8	13
62	Cholesterol ester turnover in isolated liver cells. Effects of cholesterol feeding. <i>Lipids and Lipid Metabolism</i> , 1984 , 793, 435-40		13
61	Coenzyme Q metabolism is disturbed in high fat diet-induced non-alcoholic fatty liver disease in rats. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 1644-57	6.3	12
60	Effects of chylomicrons and chylomicron remnants on endothelium-dependent relaxation of rat aorta. <i>European Journal of Pharmacology</i> , 1998 , 348, 181-90	5.3	12
59	The influence of estrogen on hepatic cholesterol metabolism and biliary lipid secretion in rats fed fish oil. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999 , 1437, 367-77	5	12
58	Evaluation of cultured hamster hepatocytes as an experimental model for the study of very low density lipoprotein secretion. <i>Lipids and Lipid Metabolism</i> , 1995 , 1254, 37-44		12
57	Evaluation in vivo of the differential uptake and processing of high-density lipoprotein unesterified cholesterol and cholesteryl ester in the rat. <i>Lipids and Lipid Metabolism</i> , 1994 , 1215, 93-102		12

56	Cyclic AMP and the regulation of cholesterol metabolism. <i>Biochemical Society Transactions</i> , 1992 , 20, 454-9	5.1	12
55	The effect of dibutyryladenosine 3',5'-monophosphate on the synthesis of bile salts in isolated hepatocytes from rat. <i>FEBS Journal</i> , 1983 , 136, 313-9		12
54	Olive Oil as a Functional Food: Nutritional and Health Benefits 2013 , 677-714		12
53	Oxidation of chylomicron remnants and vascular dysfunction. <i>Atherosclerosis Supplements</i> , 2008 , 9, 57-61.	1.7	11
52	Differential modulation of hepatic very low-density lipoprotein secretion by triacylglycerol-rich lipoproteins derived from different oleic-acid rich dietary oils. <i>British Journal of Nutrition</i> , 2008 , 99, 29-36	3.6	11
51	Oxidation of chylomicron remnant-like particles inhibits their uptake by THP-1 macrophages by apolipoprotein E-dependent processes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 901-10	5	11
50	Efflux of lipid from macrophages after induction of lipid accumulation by chylomicron remnants. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005 , 1735, 20-9	5	11
49	Comparison of short- and long-term effects of different dietary fats on the hepatic uptake and metabolism of chylomicron remnants in rats. <i>British Journal of Nutrition</i> , 1998 , 79, 203-11	3.6	11
48	Endothelial cells as targets for chylomicron remnants. <i>Atherosclerosis Supplements</i> , 2010 , 11, 31-7	1.7	10
47	Chylomicron-remnant-like particles inhibit the basal nitric oxide pathway in porcine coronary artery and aortic endothelial cells. <i>Clinical Science</i> , 2003 , 105, 363-71	6.5	10
46	Lipid synthesis in macrophages derived from the human cell line THP-1: modulation of the effects of native and oxidized chylomicron-remnant-like particles by oestrogen. <i>Clinical Science</i> , 2001 , 101, 403	6.5	10
45	The Emerging Role of Disturbed CoQ Metabolism in Nonalcoholic Fatty Liver Disease Development and Progression. <i>Nutrients</i> , 2015 , 7, 9834-46	6.7	9
44	Comparison of the effects of dietary n-3 and n-6 polyunsaturated fatty acids on very-low-density lipoprotein secretion when delivered to hepatocytes in chylomicron remnants. <i>Biochemical Journal</i> , 2001 , 357, 481-7	3.8	9
43	The mechanism underlying the hypocholesterolemic effect of chronic fish oil feeding in rats is not due to increased excretion of dietary cholesterol. <i>Atherosclerosis</i> , 1998 , 139, 253-63	3.1	9
42	Hepatic uptake and processing of cholesterol and cholesteryl ester from chylomicron remnants: an in vivo study in the rat. <i>Lipids and Lipid Metabolism</i> , 1992 , 1123, 85-91		9
41	The effects of 6-azacholest-4-en-3 beta-ol-7-one, an inhibitor of cholesterol 7 alpha-hydroxylase, on cholesterol metabolism and bile acid synthesis in primary cultures of rat hepatocytes. <i>Lipids and Lipid Metabolism</i> , 1988 , 960, 268-74		9
40	The effect of inhibition of cholesterol esterification on the fate of cholesterol derived from HDL in rat hepatocyte monolayers. <i>FEBS Letters</i> , 1988 , 227, 179-82	3.8	9
39	Hypercholesterolaemia alters the responses of the plasma lipid profile and inflammatory markers to supplementation of the diet with n-3 polyunsaturated fatty acids from fish oil. <i>European Journal of Clinical Investigation</i> , 2006 , 36, 788-95	4.6	8

38	Cholesterol esterification in human monocyte-derived macrophages is inhibited by protein kinase C with dual roles for mitogen activated protein kinases. <i>Cell Biology International</i> , 2004 , 28, 717-25	4.5	8
37	The effect of dibutyryl cyclic AMP on the excretion of taurocholic acid from isolated rat liver cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986 , 889, 382-5	4.9	8
36	Role of macrophage activation in the lipid metabolism of postprandial triacylglycerol-rich lipoproteins. <i>Experimental Biology and Medicine</i> , 2013 , 238, 98-110	3.7	7
35	The interaction between oxidised chylomicron remnants and the aorta of rats fed a normocholesterolaemic or hypercholesterolaemic diet. <i>Journal of Vascular Research</i> , 2000 , 37, 265-75	1.9	7
34	The effect of cyclic AMP analogues and glucagon on cholesteryl ester synthesis and hydrolysis in cultured hamster hepatocytes. <i>FEBS Letters</i> , 1993 , 329, 17-20	3.8	7
33	Bile acid synthesis and intracellular and extracellular cholesterol concentrations in isolated rat hepatocytes: the effect of dietary cholesterol. <i>Lipids and Lipid Metabolism</i> , 1989 , 1001, 210-7		7
32	Inhibition of macrophage inflammatory cytokine secretion by chylomicron remnants is dependent on their uptake by the low density lipoprotein receptor. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 209-20	5	6
31	Comparison of the uptake and processing of cholesterol from chylomicrons of different fatty acid composition in rats fed high-fat and low-fat diets. <i>FEBS Journal</i> , 1997 , 246, 92-102		6
30	The influence of chylomicron remnants on cholesteryl ester metabolism in cultured rat hepatocytes: comparison of the effects of particles enriched in n-3 or n-6 polyunsaturated fatty acids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001 , 1534, 96-109	5	6
29	The differential hepatic uptake of chylomicron remnants of different fatty acid composition is not mediated by hepatic lipase. <i>British Journal of Nutrition</i> , 2001 , 85, 575-82	3.6	6
28	The effect of chylomicron remnants on bile acid synthesis in cultured rat hepatocytes. <i>Lipids and Lipid Metabolism</i> , 1990 , 1042, 413-6		6
27	Postprandial human triglyceride-rich lipoproteins increase chemoattractant protein secretion in human macrophages. <i>Cytokine</i> , 2013 , 63, 18-26	4	5
26	Cholesterol metabolism in the rat lactating mammary gland: the role of cholesteryl ester hydrolase. <i>Lipids</i> , 1991 , 26, 901-6	1.6	5
25	Postprandial phase time influences the uptake of TAG from postprandial TAG-rich lipoproteins by THP-1 macrophages. <i>British Journal of Nutrition</i> , 2014 , 112, 1469-77	3.6	4
24	The oxidative state of chylomicron remnants influences their modulation of human monocyte activation. <i>International Journal of Vascular Medicine</i> , 2012 , 2012, 942512	1.2	4
23	Novel Aspects of Nonfasting Lipemia in relation to Vascular Biology. <i>International Journal of Vascular Medicine</i> , 2012 , 2012, 419015	1.2	4
22	Cholesteryl ester hydrolase: three activities in the lactating rat mammary gland. <i>Biochemical Society Transactions</i> , 1990 , 18, 619-20	5.1	4
21	The effect of glucagon-induced adenosine 3',5'-monophosphate concentrations on bile acid synthesis in isolated rat liver cells. <i>FEBS Letters</i> , 1984 , 168, 317-20	3.8	4

20	Endothelial HO-1 induction by model TG-rich lipoproteins is regulated through a NOX4-Nrf2 pathway. <i>Journal of Lipid Research</i> , 2016 , 57, 1204-18	6.3	3
19	Cholesterol metabolism in cultured hamster hepatocytes. <i>Biochemical Society Transactions</i> , 1992 , 20, 100S	5.1	3
18	The characterization of bile acid synthesis by cultured hamster hepatocytes. <i>Biochemical Society Transactions</i> , 1990 , 18, 1211-2	5.1	3
17	Incorporation of lycopene into chylomicron remnant-like particles inhibits their uptake by HepG2 cells. <i>Life Sciences</i> , 2007 , 80, 1699-705	6.8	2
16	Role of estrogen in the regulation of cholesteryl ester synthesis in macrophages: the interaction between native and modified low density lipoprotein and human monocyte-derived macrophages. <i>Clinical Biochemistry</i> , 2002 , 35, 597-605	3.5	2
15	Metabolism of chylomicron cholesterol is delayed by estrogen. An in vivo study in the rat. <i>Experimental Biology and Medicine</i> , 2001 , 226, 112-8	3.7	2
14	The utilisation of esterified and unesterified cholesterol derived from chylomicron remnants and high density lipoprotein for bile acid synthesis. <i>Biochemical Society Transactions</i> , 1993 , 21, 459S	5.1	2
13	Comparison of the lipolysis of chylomicron remnants derived from corn oil or olive oil by hepatic lipase in vitro. <i>Biochemical Society Transactions</i> , 1995 , 23, 284S	5.1	2
12	The effect of ionophore A23187, verapamil, and dibutyryl cyclic AMP on bile acid synthesis in isolated rat hepatocytes. <i>Lipids and Lipid Metabolism</i> , 1987 , 922, 46-53		2
11	Chylomicron remnants derived from fish oil are bound and internalised more rapidly by isolated hepatocytes than those derived from olive or palm oil. <i>Biochemical Society Transactions</i> , 1998 , 26, S149	5.1	1
10	Lipoprotein secretion by cultured hamster hepatocytes. <i>Biochemical Society Transactions</i> , 1992 , 20, 337S	5.1	1
9	The contribution of lipoprotein cholesterol to hepatic precursor pools for bile acid synthesis. <i>Biochemical Society Transactions</i> , 1992 , 20, 338S	5.1	1
8	Dietary cholesterol and bile acid synthesis in isolated rat hepatocytes. <i>Biochemical Society Transactions</i> , 1987 , 15, 422-423	5.1	1
7	The effect of the hypocholesteremic drug, AY 9944 on the synthesis of bile salts in rat liver. <i>FEBS Journal</i> , 1981 , 118, 501-5		1
6	Intestinal postprandial chylomicrons: state of the union between liver, gut and dyslipidemia?. <i>Future Lipidology</i> , 2008 , 3, 473-480		
5	Comparison of the effects of cyclic AMP analogues on cholesterol metabolism in cultured rat and hamster hepatocytes. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1996 , 113, 185-91	2.3	
4	Supplementation of the diet with corn or olive oil enhances the hepatic metabolism of chylomicron remnants. <i>Biochemical Society Transactions</i> , 1995 , 23, 134S	5.1	
3	Effect of dibutyryl cyclic AMP on bile acid synthesis in biliary-drained rats. <i>Biochemical Society Transactions</i> , 1989 , 17, 904-905	5.1	

- 2 Synthesis of bile acids in Hep G2 cells: effect of substrate supply. *Biochemical Society Transactions*, **1987**, 15, 411-412 5.1
- 1 Effect of a rat plasma high-density lipoprotein subfraction on the synthesis of bile salts by rat hepatocyte monolayers. *Biochemical Society Transactions*, **1985**, 13, 136-137 5.1